Keagan Kozlowski

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EDUCATION

University of Sussex — Brighton, UK
BSc Computer Science with Industrial Placement Year (Expected First) — *Sep. 2023 – May 2027*

EXPERIENCE

Peer Assisted Learning Tutor — Sep. 2024 – Present
University of Sussex — *Falmer, UK*

- Serving as a peer-assisted learning tutor, enhancing students' understanding of diverse topics, supporting their success, and leading workshops.

Software Engineer Internship — July. 2024 – Present
MetaSonixx — *Brighton, UK*

- Developed an Android app using Java, Kotlin and the BLE library to retrieve and display health data from a smartwatch, leveraging unique UUIDs for each data characteristic to ensure accurate collection and processing through a user-friendly interface.
- Converted health data into JSON format and processed it on a Java-based backend, generating National Early Warning Score (NEWS)2 charts.
- Integrated the app with the NHS EPIC system via API, transmitting data in XML format for hospital monitoring.

Finance Officer — Jan. 2024 – Present
HackSussex — *Falmer, UK*

- Leveraging communication skills to secure sponsorships, manage the financial budget, and ensuring financial success for events, all while developing strong financial management skills and contributing to HackSussex's mission.

COMPETITIONS, FREELANCE AND PROJECTS

Many Pinetimes Heartbeat - Sussex NeuroScience | *Python, PyQt6, BLEAK* — June 2024. - Present

- Improved the performance and maintainability of an open-source Python project by refactoring code used for real-time biometric data extraction from PineTime smartwatches.
- Diagnosed and fixed a critical Bluetooth communication issue with the Bleak library, and implemented robust error handling for reliable data transmission.
- Designed and implemented a PyQt-based GUI for real-time device monitoring and system control, enhancing user interaction.
- Created detailed documentation to support future development and ensure ease of use for other contributors.

Global Game Jam - Global Game Jam Inc | *VR, Android, Unity, C#* — March. 2024

- Worked within a team to develop a VR game in 48 hours, supported development in C#, along with 3d modelling design.
- Included integration with demo hardware of the upcoming Roto VR Chair to test their pre-release system and SDK.

HackSussex Game Jam - Devpost | *Unity, C#, Raycasting* — Nov. 2023

- Developed Risk of Portal, a puzzle-based side-scroller in Unity using C#, with raycasting portal mechanics and was awarded 'Best Retro Game' for its innovation and pixel art style.

EXTRACURRICULAR AND POSITIONS OF RESPONSIBILITY

Finance Officer — Aug. 2024 – Present
University of Radio Falmer — *Falmer, UK*

- Oversee the financial management of the radio station, including budgeting, expense tracking, and financial reporting to ensure fiscal responsibility and transparency.

Teaching Assistant Python Workshop — April. 2024 – May 2024
University of Sussex — *Falmer, UK*

- Developed comprehensive teaching materials and instructed participants of diverse academic backgrounds in Python programming, covering fundamental to intermediate concepts.

Data Science Society President   Jan. 2024 – Present
University of Sussex   *Falmer, UK*

- Organizing events and talks to introduce and educate students on a broad range of subjects and technicals. Responsible for ensuring successful collaboration with other societies and delegates.

Technical Skills

Languages: Python, Java, PHP, C♯, SQL, HTML/CSS, JavaScript
Frameworks & Technologies: Numpy, Pandas, PyQt, BLE, MariaDB
Applications: MS Office Suite (Word, Excel, PowerPoint), Notion, Trello